

THE JONES COLLECTION OF THYSANOPTERA

BY STANLEY F. BAILEY

University of California, Berkeley

In 1912 Paul R. Jones published (4) descriptions of thirteen species of thrips of which two, *Thrips femoralis* and *Phlæothrips jennei*, were from Georgia and the remainder from California. These species of Jones are listed below with their synonymy.

1. **AEOLOTHRIPS NASTURTII** Jones, 1912, pp. 2-3, pl. I, figs. 1-4.
 1927. *Aeolothrips tuolumnei* Moulton, Bull. Brookl. Ent. Soc., 22:187.
 1935. *Aeolothrips tuolumnei* Bailey, Pan-Pac. Ent., 11: 164.
2. **MICROCEPHALOTHRIPS ABDOMINALIS** (Crawford), 1910.
 1910. *Thrips abdominalis* Crawford, Pomona Coll. Jl. Ent., 2:157-159, fig. 65, A-E.
 1912. *Thrips femoralis* Jones, pp. 4-5, pl. I, figs. 5-8.
 1912. *Thrips abdominalis* (=femoralis), Hood, Proc. Biol. Soc. Wash., 25:62.
 1923. *Thrips microcephalus* Priesner, Ent. Mitt., 12:116-117, fig. 7 (p. 120).
 1926. *Paraphysopus burnsi* Girault, Insec. Inscit. Menstr., 14:188.
 1926. *Microcephalothrips abdominalis* Bagnall, Ann. Mag. Nat. Hist., ser. 9, 18:98, 113-114, July.
 1926. *Thrips* (*Ctenothripella* Pr.) *gillettei* Moulton, Trans. Am. Ent. Soc., 52:126-127, pl. 6, figs. 14-17, July 22.
 1926. *Stylothrips brevivalpis* Karny, Mem. Dept. Agr. India, 9:206-208, fig. 10, pl. 19, fig. 4, Sept.
 1929. *Thrips* (*Microcephalothrips*) *abdominalis* (=T. *gillettei* Mltn.), Moulton, Bull. Brookl. Ent. Soc., 24:236.
 1934. *Stylothrips brevivalpus* (=Paraphysopus *burnsi*), Kelly and Mayne, Australian thrips, pp. 20-21.*
3. **SERICOTHRIPS ALBUS** Jones, 1912, pp. 6-7, pl. II, figs. 2-5.
4. **SERICOTHRIPS MOULTONI** Jones, 1912, pp. 7-8, pl. II, figs. 6-9.
5. **LIMOTHRIPS ANGULICORNIS** Jablonowski, 1894, Thys. Nova., Term. Fuz., 17:2.
 1912. *Limothrips setariæ* Jones, pp. 8-10, pl. III, figs. 1-5.
6. **MYCTEROTHRIPS LONGIROSTRUM** (Jones), 1912.
 1912. *Euthrips longirostrum* Jones, pp. 12-13, pl. III, figs. 6-9.
 1921. *Mycterothrips longirostrum* Karny, Treubia, 1:216.

*The writer has not seen this reference.

1923. *Mycterothrips longirostrum* Watson, Univ. Fla. Bull., 168, p. 45.
7. TÆNIOTHRIPS COSTALIS (Jones), 1912.
1912. *Euthrips costalis* Jones, pp. 13-14, pl. IV, figs. 1-4.
1923. *Tæniothrips costalis* Watson, Univ. Fla., Bull, 168, p. 42.
8. SCIRTOTHRIPS ALBUS (Jones), 1912.
1912. *Anaphothrips albus* Jones, pp. 16-17, pl. IV, figs. 5-8.
1923. *Scirtothrips albus* Watson, Univ. Fla., Bull. 168, p. 33.
9. HAPLOTHRIPS FASCICULATUS (Crawford), 1909.
1909. *Phyllothrips fasciculata* Crawford, Pomona Coll. Jl. Ent., 1:105-108.
1909. *Phyllothrips fasciculata* var. *stenoceps* Crawford, *ibid.*, p. 108.
1912. *Anthothrips nigricornis* Jones, pp. 17-18, pl. V, figs. 1-4.
1912. *Haplothrips jonesii* Karny, Zool. Ann., 4:344.
1913. *Leptothrips russelli* Morgan, Proc. U. S. Natl. Mus., 46:39.
- 1918-21. *Haplothrips jonesii* Hood, Mem. Queensland Mus., 6-7,:121-150.
1927. *Haplothrips fasciculatus* Hood, Pan-Pac. Ent., 3:174-175.
- 10 and 11. KARNYOTHRIPS FLAVIPES (Jones), 1912.
1912. *Anthothrips flavipes* Jones, p. 18-19, pl. V, figs. 5-7.
1912. *Cryptothrips salicis* Jones, p. 20-21, pl. VI, figs. 1-3.
1913. *Haplothrips ceylonicus* Schmutz, Sitz. Acad. Wiss. Wien, Math.-Natur. Kl., Bd. CXXII, Abt. I, pp. 1033, 1038.
1915. *Zygothrips pullus* Hood and Williams, Jl. N.Y. Ent. Soc., 23:127.
1922. *Karnyia weigeli* Watson, Fla. Ent., 6-7.
1923. *Karnyothrips weigeli* (Watson), Univ. Fla., Bull. 168, p. 70.
1923. *Haplothrips harnedi* Watson, Fla. Ent., 6:45.
1923. *Haplothrips oneco* Watson, Univ. Fla., Bull, 168, pp. 58, 60.
1927. *Karnyothrips flavipes* Hood, Pan-Pac. Ent., 3:176-177.
12. HOPLANDROTHRIPS JENNEI (Jones), 1912.
1912. *Phlæothrips jennei* Jones, pp. 21-22, pl. VI, figs. 4-6.
1913. *Phlæothrips floridensis* Watson, Ent. News, 24:147.
1923. *Hoplandrothrips jennei* Watson, Univ. Fla., Bull. 168, p. 50.
1927. *Hoplandrothrips jennei* Hood, Ent. News, 38:113.

13. HOPLANDROTHRIPS ARMIGER (Jones), 1912.

1912. *Phlæothrips armiger* Jones, pp. 23-24, pl. VII, figs. 1-4.

1923. *Hoplandrothrips armiger* Watson, Univ. Fla., Bull. 168, p. 50.

During the course of the investigations of the pear (1, 2) and citrus thrips (3) in California by the Federal Bureau of Entomology, Mr. Jones collected thrips quite generally from about 1907 to 1912. During this time he sent material to J. D. Hood* of Rochester, New York, who has retained it. Also it is to be noted that Dudley Moulton has classified and numbered many of Jones' specimens. About 1920 the Jones collection was deposited with E. O. Essig at the University of California. It is indeed unfortunate that of the nine valid species the type of only one, *Sericothrips moultoni*, is still to be found in the collection. All attempts on the part of the writer to locate the eight missing types have failed, although it is thought that they are still existent.

Since the writer is making a detailed study of the thrips of California, and since Mr. Jones is no longer working with this group of insects, it was thought desirable to catalog this collection in order to preserve its unity and make the information available to those interested. Through the kindness of Professor Essig, this has been done and the catalog is presented below. The genera have been listed alphabetically for convenience. Unless otherwise stated, the species are from California.

TEREBRANTIA:	No. Slides	Remarks
<i>Æolothrips kuwanii</i> Moulton	40 (9 ♂'s) (1 larva)	
<i>Æolothrips fasciatus</i> (Linn.)	8	
<i>Æolothrips aureus</i> Moulton	2 (1 ♂)	Paratypes
<i>Æolothrips bicolor</i> Hinds	3	Florida
<i>Anaphothrips obscurus</i> Müller	2	Indiana
<i>Anaphothrips secticornis</i> (Tryb)	32 (3 ♂'s)	
<i>Anaphothrips</i> (= <i>A. apteris</i> (Dan) (= <i>A. stanfordii</i> Moulton?)		
<i>Anaphothrips zeæ</i> Moulton	5 (1 wingless)	

* Hood, J. D. 1927. On the synonymy of some Thysanoptera occurring in California. Pan-Pac. Ent., 3:173-178. 1927. Nineteen synonyms in the North American Thysanoptera. Ent. News, 88:112-113.

TEREBRANTIA:	No. Slides	Remarks
<i>Anaphothrips reticulatus</i> Moulton	23	All stages
<i>Aptinothrips rufus</i> (Gmelin)	13	
<i>Chirothrips</i> sp.	1	Peru
<i>Frankliniella occidentalis</i> (Perg.)	55 (14 ♂'s)	Ariz., Calif., Ore., Wash.
<i>Frankliniella minuta</i> (Moulton)	46 (13 ♂'s)	
<i>Frankliniella moultoni</i> Hood	105 (16 ♂'s)	Ariz., Calif., Wash.
<i>Frankliniella tritici</i> (Fitch)	9 (1 ♂)	Ga., Mich.
<i>Frankliniella insularis</i> Frank	2 (1 ♂)	Texas
<i>Frankliniella fuscus</i> Hinds	2 (1 brachypterous)	N. C., Tenn.
<i>Frankliniella</i> sp.	1	Peru
<i>Heliothrips hæmorrhoidalis</i> (Bché)	6 (1 larva)	Calif., N. Zealand
<i>Hercothrips fasciatus</i> (Perg.)	3	
<i>Heterothrips arisaesmæ</i> Hood	1	Virginia
<i>Leucothrips piercei</i> (Morgan)	2	Tennessee
<i>Limothrips cerealium</i> Haliday	3	Tennessee
<i>Odontothrips loti</i> Haliday	3	
<i>Orothrips kelloggii</i> Moulton	3 (2 ♂'s)	
<i>Parthenothrips dracænæ</i> (Heeger)	2	
<i>Plesiothrips perplexus</i> (Beach)	1	Tennessee
<i>Scirothrips citri</i> (Moulton)	110	All stages, Ariz., Calif.
<i>Scirtothrips albus</i> (Jones)	7 (6 ♂'s)	
<i>Scolothrips sexmaculatus</i> (Perg.)	4	
<i>Selenothrips rubrocintus</i> (Giard)	1	Honolulu
<i>Sericothrips variabilis</i> (Beach)	13	Ariz., Calif.
<i>Sericothrips cingulatus</i> Hinds	1	Tennessee
<i>Sericothrips moultoni</i> Jones	45	Type, & 2 cotypes
<i>Tæniothrips inconsequens</i> (Uzel)	104	All stages; Calif., New York, Pa.
<i>Tæniothrips vulgatissimus</i> Hal. (?)	1 ♂	
<i>Thrips tabaci</i> Lind	50	1 slide from Australia
<i>Thrips nigropilosus</i> f.		
<i>brachyptera</i> (Uzel)	1	
<i>Thrips madroni</i> Moulton	43 (17 ♂'s)	
<i>Thrips imaginis</i> Bagnall	2	Australia
Undetermined (mutilated)	1	
TUBULIFERA:		
<i>Aleyrodothrips fasciapennis</i> Fkln.	1	Florida
<i>Bagnalliella yuccæ</i> Hinds	1	Tennessee
<i>Gynaikothrips uzeli</i> Zimm.	2 (1 pupa)	Florida
<i>Haplothrips fasciculatus</i> (Cfd.)	7 (1 ♂)	
<i>Haplothrips malifloris</i> Hood	4	New Mexico
<i>Haplothrips leucanthemi</i> (Schk)	3	Florida, Mont.

TUBULIFERA:

<i>Hoplandrothrips funebris</i> Hood	1	Virginia
<i>Hoplothrips ulmi</i> (Fab.)	1	Pennsylvania
<i>Leptothrips mali</i> (Fitch)	35	Calif., Ga., Ohio, Tenn.
<i>Liothrips mantanus</i> Hood	1	Montana
<i>Neoheegeria verbasci</i> (Osb.)	2	Mich., Tenn.
<i>Rhynchothrips ilex</i> (Moulton)	46 (2 ♂'s)	All stages
Tubuliferous larva (unidentified)	3	Ohio

The published works of P. R. Jones on thrips are listed below.

- (1) Foster, S. W., and P. R. Jones.
1911. How to control the pear thrips. U.S.D.A., Bur. Ent., Circ. No. 131, pp. 1-24, Jan. 9.
- (2) Foster, S. W., and P. R. Jones.
1915. The life history and habits of the pear thrips in California. U.S.D.A., Bul. No. 173, Prof. Paper, pp. 1-52, Apr. 13.
- (3) Jones, P. R., and J. R. Horton.
1911. The orange thrips. A report of progress for the years 1909 and 1910. U.S.D.A., Bur. Ent., Bul. No. 99, Part I, pp. 1-16, March 6.
- (4) Jones, P. R.
1912. Some new California and Georgia Thysanoptera. U.S.D.A., Bur. Ent., Tech. Ser., No. 23, Part I, pp. 1-24, Jan. 26.

WEEVIL LARVÆ ANNOYING TO HOUSEHOLDERS

A. E. Michelbacher reports that during the early part of April, 1936, numerous larvæ and decently developed adults of a poplar weevil, tentatively identified as *Dorytomus nubiculinus* Casey, were dropping from a large poplar tree on to a house in Sacramento and worming their way into the rooms through the cracks surrounding the screens, much to the annoyance of the owners. This weevil is rather uncommon in this state, having been found previously only at Sacramento and in the mountains of northern Trinity County.—Edwin C. Van Dyke.